ABSTRACT

A vacuum hose for moving particulate materials such as grain from a storage bin is formed from separate pieces of metal tube and flexible rubber hose arranged alternately and connected end to end by hose clamps. The pieces are at least 12 inches long and less than 36 inches long to provide relatively short lengths connected end to end. A cart is provided for moving the nozzle and hose end and has a frame mounted on two pairs of ground wheels. The pipe of the nozzle extends along a center of the cart with a foot pad on each side for the operator to ride and a nozzle of the pipe projecting from the front of the cart. The cart is driven by a pair of motors extending across the cart each driving a respective pair of wheels the motors being mounted underneath the pipe with one in front of the other. A manually operable control in the form of an upstanding support bar is carried on front of the frame and operable by the operator with two switches operable to control the motors separately for forward and rearward movement of the cart and steering movements of the cart to each side for guiding the cart and the nozzle over the surface.